

SYSTEMS AND METHODS FOR SCREENING FOR MODULATORS
OF NEURAL DIFFERENTIATION

ABSTRACT OF THE DISCLOSURE

[00233] The present invention provides *in vitro* systems for use in identifying
5 modulators of neural differentiation. Also provided are modulators identified by these
 systems. The present invention further provides methods for identifying a modulator of
 neural differentiation, a modulator of an FGF signalling pathway, a modulator of FGF-
 dependent neural differentiation, a modulator of a retinoid signalling pathway, and a
 modulator of retinoid-dependent neural differentiation. Also provided are modulators
10 identified by these methods.

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